

```

OTHER INFORMATION: Incyte ID No: 065151CB1
US-09-974-298-126

Query Match      100.0%; Score 509; DB 41; Length 509;
Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTGTAGAGGATGAGAGGTCGCTCCGTGCTGTCTGACATTTTTCGTGCCACTAGAGA 60
DB      1 GAGTGTAGAGGATGAGAGGTCGCTCCGTGCTGTCTGACATTTTTCGTGCCACTAGAGA 60
QY      61 CGGAGCTGTGTGAATATGATTTGGGAGAGAAATCAATATAGAGCTTAGGCCGAGAG 120
DB      61 CGGAGCTGTGTGAATATGATTTGGGAGAGAGATCAATATAGAGCTTAGGCCGAGAG 120
QY      121 AAGTGTACCAACTCTCTGAGCTGATTTGGGCTATAGCTGAGGCCCGAGTATGAGAGCTCTCA 180
DB      121 AAGTGTACCAACTCTCTGAGCTGATTTGGGCTATAGCTGAGGCCCGAGTATGAGAGCTCTCA 180
QY      181 GCAAGAGAACCAACCACTGAAGTGGGATCTCTGCACTTGTCAAGAGAGAGAAAGA 240
DB      181 GCAAGAGAACCAACCACTGAAGTGGGATCTCTGCACTTGTCAAGAGAGAGAAAGA 240
QY      241 TAGAGGTGCACTGAGACTGAAGTGCCTGACCTGTGAGAGCTGATCTCCAGAGCTGTCTCA 300
DB      241 TAGAGGTGCACTGAGACTGAAGTGCCTGACCTGTGAGAGCTGATCTCCAGAGCTGTCTCA 300
QY      301 GTCAAGAAGCTGGGGGTGATATGTGAAAATGGTCTCTGACCAAGGGGAAAGATTCTGCCAAA 360
DB      301 GTCAAGAAGCTGGGGGTGATATGTGAAAATGGTCTCTGACCAAGGGGAAAGATTCTGCCAAA 360
QY      361 ATCAACAACAATTAAATGCGACAAGAGAGTACAGGCAACACAGAGCTTAAATGAAGAC 420
DB      361 ATCAACAACAATTAAATGCGACAAGAGAGTACAGGCAACACAGAGCTTAAATGAAGAC 420
QY      421 AAGCTGAACAACAACAAGCTGTTTTATCTAAGATTTTGAATTAAATAATATATATA 480
DB      421 AAGCTGAACAACAACAAGCTGTTTTATCTAAGATTTTGAATTAAATAATATATA 480
QY      481 AACTTTTGACCTTTCTCCAAAAAAA 509
DB      481 AACTTTTGACCTTTCTCCAAAAAAA 509

RESULT 2
US-09-996-952-7
; Sequence 7 Application US/09996952
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.

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FILE REFERENCE: PB-0016 US

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; CURRENT FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 9
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; SOFTWARE: PERL Program
; SEQ ID NO 7
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:      LENGTH: 509
:
:      TYPE: DNA
:

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ORGANISM: Homo sapiens
FEATURE:

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; FEATURE;
; NAME/KEY: misc_feature
; OTHER INFORMATION: This

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OTHER INFORMATION: incyte ID No: 253708
US-09-996-952-7

Query Match	Score	DB	Length
100.0%	509	42	509

Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 GAGTTGTGAGGGGTGAGAGGGTGGCGTTCTGCTGTGGAATTTCCTGTCCTCACTGACA 60

136AGTGGAGGGGTGGAGGGTCCGCTCTGGTGTCTGAGACTTTTCTGTCCACTAGCA 60

DB

I: GAGTGTGAGGGTGAGGGTCGCCTCCCGCCTGACCTTTTCTGCTCCATCAGAGA GT

QY 61 CGAGCTGTGTAATATGATTGGCGAGAGATCAATATAGCCTAGGCGAGAG 120
DB 61 CGAGCTGTGTAATATGATTGGCGAGAGATCAATATAGCCTAGGCGAGAG 120
QY 121 AAGGTACCACTCTCTAGCTGATTTGGGCTTATCTGTAGAGCCGGGTATGAGAGCTTCA 180
DB 121 AAGGTACCACTCTCTAGCTGATTTGGGCTTATCTGTAGAGCCGGGTATGAGAGCTTCA 180
QY 181 GCAAGAGAAACCACTGAAAGTCCGGAATCTGTGCACTGTGTAGAGAGAGAGAGA 240
DB 181 GCAAGAGAAACCACTGAAAGTCCGGAATCTGTGCACTGTGTAGAGAGAGAGAGA 240
QY 241 TCAGGGTGCAGCTGAGACTCAAGTCTGACCTGTAGAGAGAGAGAGAGAGAGAG 300
DB 241 TCAGGGTGCAGCTGAGACTCAAGTCTGACCTGTAGAGAGAGAGAGAGAGAGAG 300
QY 301 GTCAAAAGCTGGGGGTGATGTAATGGTCTGATGACAGGGGAAAGTCTGCGCAA 360
DB 301 GTCAAAAGCTGGGGGTGATGTAATGGTCTGATGACAGGGGAAAGTCTGCGCAA 360
QY 361 ATCAGAACATTTAAATATGCCAGAGAGGTGACAGGCAACACAGGTTAAATGAAGAC 420
DB 361 ATCAGAACATTTAAATATGCCAGAGAGGTGACAGGCAACACAGGTTAAATGAAGAC 420
QY 421 AAGCTGAAACCAACAACTGTTTATCTAGATATTTGACTTAAATATCAATAA 480
DB 421 AAGCTGAAACCAACAACTGTTTATCTAGATATTTGACTTAAATATCAATAA 480
QY 481 AACTTTGACAGCTTTCTCCAAAAA 509
DB 481 AACTTTGACAGCTTTCTCCAAAAA 509

RESULT 2

US-10-051-835-11
Sequence 11, Application US/10051835
GENERAL INFORMATION:
APPLICANT: Jones, Amy W.
APPLICANT: Lasek, Amy W.
TITLE OF INVENTION: GENES REGULATED BY DNA METHYLATION IN TUMOR CELLS
FILE REFERENCE: PA-0044 US
CURRENT APPLICATION NUMBER: US/10/051,835
CURRENT FILING DATE: 2002-01-16
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PERL Program
SEQ ID NO 11
LENGTH: 509
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No: 064516CB1
US-10-051-835-11

Query Match 100.0%; Score 509; DB 44; Length 509;
Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTTGTAGAGGTGAGGGTCCGTTCCCTGCTGTGAGACTTTTCTGTCCACTGAGA 60
DB 1 GAGTTGTAGAGGTGAGGGTCCGTTCCCTGCTGTGAGACTTTTCTGTCCACTGAGA 60
QY 61 CGAGCTGTGTAATATGATTGGCGAGAGATCAATATAGCCTAGGCGAGAG 120
DB 61 CGAGCTGTGTAATATGATTGGCGAGAGATCAATATAGCCTAGGCGAGAG 120
QY 121 AAGGTACCACTCTCTAGCTGATTTGGGCTTATCTGTAGAGCCGGGTATGAGAGCTTCA 180
DB 121 AAGGTACCACTCTCTAGCTGATTTGGGCTTATCTGTAGAGCCGGGTATGAGAGCTTCA 180
QY 181 GCAAGAGAAACCACTGAAAGTCCGGAATCTGTGCACTGTGTAGAGAGAGAGAGA 240
DB 181 GCAAGAGAAACCACTGAAAGTCCGGAATCTGTGCACTGTGTAGAGAGAGAGAGA 240

QY 241 TCAGGGTGCAGCTGAGACTCAAGTCTGACCTGTAGAGAGAGAGAGAGAGAGAG 300
DB 241 TCAGGGTGCAGCTGAGACTCAAGTCTGACCTGTAGAGAGAGAGAGAGAGAGAG 300
QY 301 GTCAAAAGCTGGGGGTGATGTAATGGTCTGATGACAGGGGAAAGTCTGCGCAA 360
DB 301 GTCAAAAGCTGGGGGTGATGTAATGGTCTGATGACAGGGGAAAGTCTGCGCAA 360
QY 361 ATCAGAACATTTAAATATGCCAGAGAGGTGACAGGCAACACAGGTTAAATGAAGAC 420
DB 361 ATCAGAACATTTAAATATGCCAGAGAGGTGACAGGCAACACAGGTTAAATGAAGAC 420
QY 421 AAGCTGAAACCAACAACTGTTTATCTAGATATTTGACTTAAATATCAATAA 480
DB 421 AAGCTGAAACCAACAACTGTTTATCTAGATATTTGACTTAAATATCAATAA 480
QY 481 AACTTTGACAGCTTTCTCCAAAAA 509
DB 481 AACTTTGACAGCTTTCTCCAAAAA 509

RESULT 4

US-10-093-766-35
Sequence 35, Application US/10093766
GENERAL INFORMATION:
APPLICANT: Lasek, Amy W.
APPLICANT: Jones, David A.
APPLICANT: Karpf, Adam R.
TITLE OF INVENTION: GENES REGULATED BY DNA METHYLATION IN COLON TUMORS
FILE REFERENCE: PA-0047 US
CURRENT APPLICATION NUMBER: US/10/093,766
CURRENT FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 61
SOFTWARE: PERL Program
SEQ ID NO 35
LENGTH: 509
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No: 064516CB1
US-10-093-766-35

Query Match 100.0%; Score 509; DB 44; Length 509;
Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTTGTAGAGGTGAGGGTCCGTTCCCTGCTGTGAGACTTTTCTGTCCACTGAGA 60
DB 1 GAGTTGTAGAGGTGAGGGTCCGTTCCCTGCTGTGAGACTTTTCTGTCCACTGAGA 60
QY 61 CGAGCTGTGTAATATGATTGGCGAGAGATCAATATAGCCTAGGCGAGAG 120
DB 61 CGAGCTGTGTAATATGATTGGCGAGAGATCAATATAGCCTAGGCGAGAG 120
QY 121 AAGGTACCACTCTCTAGCTGATTTGGGCTTATCTGTAGAGCCGGGTATGAGAGCTTCA 180
DB 121 AAGGTACCACTCTCTAGCTGATTTGGGCTTATCTGTAGAGCCGGGTATGAGAGCTTCA 180
QY 181 GCAAGAGAAACCACTGAAAGTCCGGAATCTGTGCACTGTGTAGAGAGAGAGAGA 240
DB 181 GCAAGAGAAACCACTGAAAGTCCGGAATCTGTGCACTGTGTAGAGAGAGAGAGA 240
QY 241 TCAGGGTGCAGCTGAGACTCAAGTCTGACCTGTAGAGAGAGAGAGAGAGAGAG 300
DB 241 TCAGGGTGCAGCTGAGACTCAAGTCTGACCTGTAGAGAGAGAGAGAGAGAGAG 300
QY 301 GTCAAAAGCTGGGGGTGATGTAATGGTCTGATGACAGGGGAAAGTCTGCGCAA 360
DB 301 GTCAAAAGCTGGGGGTGATGTAATGGTCTGATGACAGGGGAAAGTCTGCGCAA 360
QY 361 ATCAGAACATTTAAATATGCCAGAGAGGTGACAGGCAACACAGGTTAAATGAAGAC 420

Sequence Alignment between page 1 of 2
 SEQ ID NO: 11 of 10/051.835 and page 2
 SEQ ID NO: 7 of 09/96952 (or US Pub. NO. 2002/011222)

~~Page 2~~

Query Match 100.0%; Score 509; DB 41; Length 509;
 Best Local Similarity 100.0%; Pred. No. 2e-124;
 Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GAGTTGTGAGGGGTGTGAGGGTCCGGCTTCCTGTCTGTGACCTTTTCTGTCCACTGAGA	60
DB	1	GAGTTGTGAGGGGTGTGAGGGTCCGGCTTCCTGTCTGTGACCTTTTCTGTCCACTGAGA	60
QY	61	CGGAGCTGTGTGAATATGATTTTGGGAGGAAATGCAACATATAGGCTTGAGGCCGAGAG	120
DB	61	CGGAGCTGTGTGAATATGATTTTGGGAGGAAATGCAACATATAGGCTTGAGGCCGAGAG	120
QY	121	AAGTGTACCACTTCCTGAGCTGATTTGGGCGCTATGCTGAGAGCCCGGTGATGAGAGCTCA	180
DB	121	AAGTGTACCACTTCCTGAGCTGATTTGGGCGCTATGCTGAGAGCCCGGTGATGAGAGCTCA	180
QY	181	GCAAGAGAGAACCAACCACTGAAAGTGGGATTCCTGTCACTGTGTCAAGAGAGAAAGAA	240
DB	181	GCAAGAGAGAACCAACCACTGAAAGTGGGATTCCTGTCACTGTGTCAAGAGAGAAAGAA	240
QY	241	TCAGGGTGCAGCTGAGACTCAAGTGCCTGACTGAGAGCTGAGAGCTGATCTCAAGAGCTGTCTCA	300
DB	241	TCAGGGTGCAGCTGAGACTCAAGTGCCTGACTGAGAGCTGATCTCAAGAGCTGTCTCA	300
QY	301	GTCAAAGACTGGGGGTGATGTGAAAATGTCCTGTGATGACCAAGGAGAAATTCGTGCCAA	360
DB	301	GTCAAAGACTGGGGGTGATGTGAAAATGTCCTGTGATGACCAAGGAGAAATTCGTGCCAA	360
QY	361	ATAGAACAATTTAAATATGCCAAGAAGAGGTGCACAGCAACCAAGCTTTAAATGGAAGC	420
DB	361	ATAGAACAATTTAAATATGCCAAGAAGAGGTGCACAGCAACCAAGCTTTAAATGGAAGC	420
QY	421	AAGCTGAAACAACAACAACTGTTTATCTAAGATATTGACTTAAATAATACAAATA	480
DB	421	AAGCTGAAACAACAACAACTGTTTATCTAAGATATTGACTTAAATAATACAAATA	480
QY	481	AACTTTGACAGCTTTCTCCAAAAAAA 509	
DB	481	AACTTTGACAGCTTTCTCCAAAAAAA 509	

RESULT 2
 US-09-996-952-7
 ; Sequence 7, Application US/09996952
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.

Qy	61	CGAGCGTGTGAAATATATTTGGCGAGGAAGATCAATATAGGCTTAGCCGAGAG	120
Db	61	CGAGCGTGTGAAATATATTTGGCGAGGAAGATCAATATAGGCTTAGCCGAGAG	120
Qy	121	AAAGTGTACCACTCTCTAGCTGATTTGGGCTTATGCTGAGCCCGGTGATGAGAGCTCA	180
Db	121	AAAGTGTACCACTCTCTAGCTGATTTGGGCTTATGCTGAGCCCGGTGATGAGAGCTCA	180
Qy	181	GCAAGGGAACCAACAACCTGAAAGTGCGGATCTCTCACTGGTACAGAGAGAGAAGA	240
Db	181	GCAAGGGAACCAACAACCTGAAAGTGCGGATCTCTCACTGGTACAGAGAGAGAAGA	240
Qy	241	TCAGGTGCAGCTGAGACTCAAGTGCTTACCTGAGACTGATCTCCAGAGCTGTCTCA	300
Db	241	TCAGGTGCAGCTGAGACTCAAGTGCTTACCTGAGAGCTGATCTCCAGAGCTGTCTCA	300
Qy	301	GTCAAAGATCTGGGGGGTGAAATGTGTCCTATATGACAGAGGGAAGATTCTGCCAA	360
Db	301	GTCAAAGATCTGGGGGGTGAAATGTGTCCTATATGACAGAGGGAAGATTCTGCCAA	360
Qy	361	ATCAGAACATTTTAAATGCGAGAGAGAGGTGACAGCAACACAGGTTTAAATGAAGAC	420
Db	361	ATCAGAACATTTTAAATGCGAGAGAGAGGTGACAGCAACAGGTTTAAATGAAGAC	420
Qy	421	AAAGTGAACAACAACAACTGTTTATCTAAGATATTGACTTTAAAAATATCAAAATA	480
Db	421	AAAGTGAACAACAACAACTGTTTATCTAAGATATTGACTTTAAAAATATCAAAATA	480
Qy	481	AACTTTTGAGCTTCTCCAAAAAATAA	509
Db	481	AACTTTTGAGCTTCTCCAAAAAATAA	509

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US-10-051-835-11
Sequence 11: Application US/10051835
GENERAL INFORMATION:
APPLICANT: Jones, David A.
APPLICANT: Lasek, Amy W.
TITLE OF INVENTION: GENES REGULATED BY DNA METHYLATION IN TUMOR CELLS
FILE REFERENCE: PA-0044 US
CURRENT APPLICATION NUMBER: US/10/051,835
CURRENT FILING DATE: 2002-01-16
NUMBER OF SEQ. ID NOS: 25
SOFTWARE: PERL Program
SEQ ID NO 11
LENGTH: 509
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID NO: 064516CB1
US-10-051-835-11

Query Match          100.0%  Score 509  DB 44;  Length 509;
Match Local Similarity 100.0%; Pred. Neg. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

QY      1  GAGTTTGAGGGGTGAGGGTCCAGTTCTCTGGAATTTTCTGTCCACTGAGA 60
DB      1  GAGTTTGAGGGGTGAGGGTCCAGTTCTCTGGAATTTTCTGTCCACTGAGA 60

QY      61  CGAGCTGTGTGAAATATGATTTTGGCGAGAAAGATCAACATATAGCTTAGGCCGAGAG 120
DB      61  CGAGCTGTGTGAAATATGATTTTGGCGAGAAAGATCAACATATAGCTTAGGCCGAGAG 120

QY      121  AAGGTACCAACTCTCTGAGCTGATTTGGGCTTATGCTGAGGCCGCTGATAGGAGCTCA 180
DB      121  AAGGTACCAACTCTCTGAGCTGATTTGGGCTTATGCTGAGGCCGCTGATAGGAGCTCA 180

QY      181  GGAAGAGAACCAACCACTGAAATGTCGGATCTTGACCTTGTCAGAGAGAGAGAA 240
DB      181  GGAAGAGAGAACCAACCACTGAAATGTCGGATCTTGACCTTGTCAGAGAGAGAGAA 240

```

QY	241	TCAGGGTGGAGCTGAGACTCAAGTGCCTGGAACCTGATCTCCAGAGAGCTGTCA	300
QY <td>241</td> <td>TCAGGGTGGAGCTGAGACTCAAGTGCCTGGAACCTGATCTCCAGAGAGCTGTCA</td> <td>300</td>	241	TCAGGGTGGAGCTGAGACTCAAGTGCCTGGAACCTGATCTCCAGAGAGCTGTCA	300
Db	241	TCAGGGTGGAGCTGAGACTCAAGTGCCTGGAACCTGATCTCCAGAGAGCTGTCA	300
QY	301	GTCAAAAGACTGGGGGTGAATGTGAAATGTCTTGATGACAGGGGGAAGATTCTGCCAA	360
Db	301	GTCAAAAGACTGGGGGTGAATGTGAAATGTCTTGATGACAGGGGGAAGATTCTGCCAA	360
QY	361	ATCAGAACCAATTTAAAAAGCCAGAGAGAGGTGACAGGCAACCAAGGTTTAAATGAAGAC	420
Db	361	ATCAGAACCAATTTAAAAAGCCAGAGAGAGGTGACAGGCAACCAAGGTTTAAATGAAGAC	420
QY	421	AAGCTGAACCAACACAAAACCTGTTTTATCTPAAGATATTGACTTAAAAAATATCAATATA	480
Db	421	AAGCTGAACCAACACAAAACCTGTTTTATCTPAAGATATTGACTTAAAAAATATCAATATA	480
QY	481	AACCTTTGGAGCTTCTCCAAAAAATA	509
Db	481	AACCTTTGGAGCTTCTCCAAAAAATA	509

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RESULT 4
US-10-093-766-35
, Sequence 35, Application US/10093766
, GENERAL INFORMATION:
, APPLICANT: Lassek, Amy W.
, APPLICANT: Jones, David A.
, APPLICANT: Karpf, Adam R.
, TITLE OF INVENTION: GENES REGULATED BY DNA METHYLATION IN COLON TUMORS
, FILE REFERENCE: PA-0047 US
, CURRENT APPLICATION NUMBER: US/10/093,766
, CURRENT FILING DATE: 2002-03-07
, NUMBER OF SEQ ID NOS: 61
, SOFTWARE: PERL Program
, SEQ ID NO 35
, LENGTH: 509
, TYPE: DNA
, ORGANISM: Homo sapiens
, FEATURE:
, NAME/KEY: misc.feature
, OTHER INFORMATION: Incyte ID No: 064516CBI
US-10-093-766-35

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Query Match	100.0%	Score 509	DB 44	Length 509
Best Local Similarity	100.0%	Pred. No. 2-124		
Matches 509	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	GAGTTGTAGGGGTGTGAGGGTCCGGTTCCTGCTGTGTGACATTTTCTCTGTCCACTGAGA	60	
Db	1	GAGTTGTAGGGGTGTGAGGGTCCGGTTCCTGCTGTGTGACATTTTCTGTCCACTGAGA	60	
QY	61	CGACGCTGTGTGAATAATGATTTTGCCAGGAAATCAACATATAGGCTTAGGCTCAGAG	120	
Db	61	CGACGCTGTGTGAATAATGATTTTGCCAGGAAATCAACATATAGGCTTAGGCTCAGAG	120	
QY	121	AAGTGTACCACTCCTGTAGCTGATTTTGAGCCTATGCTGTGAGCCCGCGATGAGAGGCTCTA	180	
Db	121	AAGTGTACCACTCCTGTAGCTGATTTTGAGCCTATGCTGTGAGCCCGCGATGAGAGGCTCTA	180	
QY	161	GCAAGAGAACCAACCACTGAATAATCGGATCCTGTGACAGACAGGAAGA	240	
Db	161	GCAAGAGAACCAACCACTGAATAATCGGATCCTGTGACAGACAGGAAGA	240	
QY	241	TGAGGTTGAGCTGAGACTCAAGTCCCTGTGACCTGTGAAGCTGATCTCCAGAGCTCTCA	300	
Db	241	TGAGGTTGAGCTGAGACTCAAGTCCCTGTGACCTGTGAAGCTGATCTCCAGAGCTCTCA	300	
QY	301	GTCAAAAGCTGGGGGTGATGTGAAATGTATCTGTGTACACAGGGAGATTTCTCCAAA	360	
Db	301	GTCAAAAGCTGGGGGTGATGTGAAATGTATCTGTGTACACAGGGAGATTTCTCCAAA	360	
QY	361	ATCCGACATTTTAATGCCAGAGAGGTGACAGGACCAACACGTTTAATATGAGAC	420	

Wed Apr 28 09:27:43 2004

us-10-051-835-11-mpm

Sequence Alignment between
SEQ ID NO: 11 of 10/051,835 and
SEQ ID NO: 35 of 10/093,766
Page 1 of 2

61 CGCAGGCTGTGAAATATGATTTGGCGAGAGATCAATATAGGCTTAAGCCGAGAG 120
Db CGCAGGCTGTGAAATATGATTTGGCGAGAGATCAATATAGGCTTAAGCCGAGAG 120
Qy 121 AAGGTACACCTCCGAGTGTATGGGCTATGCTGAGAGCCCGGTATGAGAGCCCA 180
Db 121 AAGGTACACCTCCGAGTGTATGGGCTATGCTGAGAGCCCGGTATGAGAGCCCA 180
Qy 181 GCAAGAGAACCACTGAAAGTGGAGTCTGCACTGCTGCTGAGAGAGAGAGAGA 240
Db 181 GCAAGAGAACCACTGAAAGTGGAGTCTGCACTGCTGCTGAGAGAGAGAGAGA 240
Qy 241 TCAGGGGTGAGCTGAGCTCAAGTGTGCTGAGCTGAGAGAGTATCTCCAGAGCTGTCA 300
Db 241 TCAGGGGTGAGCTGAGCTCAAGTGTGCTGAGCTGAGAGAGTATCTCCAGAGCTGTCA 300
Qy 301 GTCAAGAGCTGGGGGTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAG 360
Db 301 GTCAAGAGCTGGGGGTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAG 360
Qy 361 ATCAGAACATTTAAATATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
Db 361 ATCAGAACATTTAAATATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
Qy 421 AAGCTGAAACCACTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAGAG 480
Db 421 AAGCTGAAACCACTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAGAG 480
Qy 481 AACTTTGAGCTTTCTCCAAAAA 509
Db 481 AACTTTGAGCTTTCTCCAAAAA 509

RESULT 3
US-10-051-835-11
Sequence 11, Application US/10051835
GENERAL INFORMATION:
APPLICANT: Jones, David A.
APPLICANT: Lasak, Amy W.
TITLE OF INVENTION: GENES REGULATED BY DNA METHYLATION IN TUMOR CELLS
FILE REFERENCE: PA-0044 US
CURRENT APPLICATION NUMBER: US/10/051,835
CURRENT FILING DATE: 2002-01-16
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PERL Program
SEQ ID NO: 11
LENGTH: 509
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incycle ID No: 064516CB1
US-10-051-835-11

Query Match 100.0%; Score 509; DB 44; Length 509;
Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

241 TCAGGGGTGAGCTGAGCTCAAGTGTGCTGAGCTGAGAGAGTATCTCCAGAGCTGTCA 300
Db 241 TCAGGGGTGAGCTGAGCTCAAGTGTGCTGAGCTGAGAGAGTATCTCCAGAGCTGTCA 300
Qy 301 GTCAAGAGCTGGGGGTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAG 360
Db 301 GTCAAGAGCTGGGGGTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAG 360
Qy 361 ATCAGAACATTTAAATATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
Db 361 ATCAGAACATTTAAATATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
Qy 421 AAGCTGAAACCACTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAGAG 480
Db 421 AAGCTGAAACCACTGAAATGTGAAATGTGCTGAGAGAGAGAGAGAGAGAGAG 480
Qy 481 AACTTTGAGCTTTCTCCAAAAA 509
Db 481 AACTTTGAGCTTTCTCCAAAAA 509

RESULT 4
US-10-093-766-35
Sequence 35, Application US/10093766
GENERAL INFORMATION:
APPLICANT: Lasak, Amy W.
APPLICANT: Jones, David A.
TITLE OF INVENTION: GENES REGULATED BY DNA METHYLATION IN COLON TUMORS
FILE REFERENCE: PA-0047 US
CURRENT APPLICATION NUMBER: US/10/093,766
CURRENT FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 61
SOFTWARE: PERL Program
SEQ ID NO: 35
LENGTH: 509
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incycle ID No: 064516CB1
US-10-093-766-35

Query Match 100.0%; Score 509; DB 44; Length 509;
Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match	100.0%	Score 509;	DB 73;	Length 509;
Best Local Similarity	100.0%	Pred. No. 2e-124;		
Matches 509;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1 GAGTTGTGAGGGTGTGAGGGTGCCTTCTGTGTCTGTGACCTTTTCTGTCCCACTGAGA	60		
DB	1 GAGTTGTGAGGGTGTGAGGGTGCCTTCTGTGTCTGTGACCTTTTCTGTCCCACTGAGA	60		
QY	61 GCACACTGTGTGAATATATATTGTGCGCGAAGATCAATATAGGCTTAGGCCGAGAG	120		
DB	61 CGCACTGTGTGAATATATATTGTGCGAGGAGATCAATATAGGCTTAGGCCGAGAG	120		
QY	121 AAGTTTACCACTCTGTAGCTGATTTGGGCTTATCTGTGAGGCCGGTGTATGAGAACCTTCA	180		
DB	121 AAGTTTACCACTCTGTAGCTGATTTGGGCTTATCTGTGAGGCCGGTGTATGAGAACCTTCA	180		
QY	181 GCAAGAGGAAACCACTAGAAATGTGCGGATCTCTGACTGTGTGTCAGAGAGAAAGAA	240		
DB	181 GCAAGAGGAAACCACTAGAAATGTGCGGATCTCTGACTGTGTGTCAGAGAGAAAGAA	240		
QY	241 TCAGGGTGCAGCTGAGATCCAAAGTGCCTGACTGTGAAGCTGATATCTCCAGAGCTGTCTCA	300		
DB	241 TCAGGGTGCAGCTGAGATCCAAAGTGCCTGACTGTGAAGCTGATATCTCCAGAGCTGTCTCA	300		
QY	301 GTCAAGAAGCTGGGGGGTGAATGTGAAATGGTCTGTATGACAGGAGGAATCTTCGCAAA	360		
DB	301 GTCAAGAAGCTGGGGGGTGAATGTGAAATGGTCTGTATGACAGGAGGAATCTTCGCAAA	360		
QY	361 ATCAGACCAATTTAAATATCCAGAGAGGTGACAGGCAACAACAGTTTAAATAGAAC	420		
DB	361 ATCAGACCAATTTAAATATCCAGAGAGGTGACAGGCAACAACAGTTTAAATAGAAC	420		
QY	421 AGCTGAAACAACAACAACTGTTTATCTAAGATTTGACTTAAAAATACAAAATA	480		
DB	421 AGCTGAAACAACAACAACTGTTTATCTAAGATTTGACTTAAAAATACAAAATA	480		
QY	481 AACTTTTGACGTTTCTCCAAAAAAA	509		

QY 1 GAGTTGTGAGGTGTGAGAGGTGCGCTTCTGCTGTCTCGAATTTTCTGTCCACTGAGA 60
 Db 1 GAGTTGTGAGGTGTGAGAGGTGCGCTTCTGCTGTCTCGAATTTTCTGTCCACTGAGA 60
 QY 61 CGCAGCTGTGTGAATATGATTTTGGCCGAGAAATCAATATAGGCTTAGCCGAGAG 120
 Db 61 CGCAGCTGTGTGAATATGATTTTGGCCGAGAAATCAATATAGGCTTAGCCGAGAG 120
 QY 121 AAGGTACCACTCTCCGAACTGATTTGAGGCTATGCTGAGGCCCGGTATGAGAGCTCTCA 180
 Db 121 AAGGTACCACTCTCCGAACTGATTTGAGGCTATGCTGAGGCCCGGTATGAGAGCTCTCA 180
 QY 181 GCAAGAGGAAACCAACATCTGAAATGTCCGATCTCGACCTTGTCAAGAGAGAAAGAGA 240
 Db 181 GCAAGAGGAAACCAACATCTGAAATGTCCGATCTCGACCTTGTCAAGAGAGAAAGAGA 240
 QY 241 TCAGAGGTGAGATGTAGACTCAAGTGCCTGACCTCGAGCTGATCTCCAGAGCTGTCTCA 300
 Db 241 TCAGAGGTGAGCTGAGACTCAAGTGCCTGACCTCGAGAGCTGATCTCCAGAGCTGTCTCA 300
 QY 301 GTCAAGACTGTGGGGTGAATGTGAAATGTGTGATGACCAAGGGAAAGATTCTGCCAAA 360
 Db 301 GTCAAGACTGTGGGGTGAATGTGAAATGTGTGATGACCAAGGGAAAGATTCTGCCAAA 360
 QY 361 ATCAAGAACAATTTAAATGCCAGAAAGAGGTGACAGGAAACCAAGGTTAAAGAGAC 420
 Db 361 ATCAAGAACAATTTAAATGCCAGAAAGAGGTGACAGGAAACCAAGGTTAAAGAGAC 420
 QY 421 AAGCTGAAACAACAACAACTGTTTATCTAGATATTTGATTTAAATAATCAAAATA 480
 Db 421 AAGCTGAAACAACAACAACTGTTTATCTAGATATTTGATTTAAATAATCAAAATA 480
 QY 481 AACTTTGACAGCTTTCTCCAAAAAAA 509
 Db 481 AACTTTGACAGCTTTCTCCAAAAAAA 509

RESULT 7
 US-60-253-425-7
 ; Sequence 7, Application US/60253425
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.
 ; APPLICANT: Wong, Sophia M.-Ling
 ; TITLE OF INVENTION: CDNAS CO-EXPRESSED WITH PLACENTAL STEROID SYNTHESIS GENES
 ; FILE REFERENCE: PB-0016 P
 ; CURRENT APPLICATION NUMBER: US/60/253,425

Sequence Alignment between

page 1 of 2

or US Pub. No.
2002/0137081)

Query Match	100.0%	Score 2484	DB 43	Length 2484
Best Local Similarity	100.0%	Pred. No. 0		
Matches 2484	Conservative 0	Mismatches 0	Indels 0	Gaps 0
1	GTTTATCTCTGATATAACACATACAGGTTACCAATTAATTAATTTAGGAATGGAT	60		
1	GTTTATCTCTGATATAACACATACAGGTTACCAATTAATTAATTTAGGAATGGAT	60		
61	TGTTAGGTTAATTTGCTTTTAAATTTATGTTTACGATTTATGTGCTTCAAGATCAATC	120		
61	TGTTAGGTTAATTTGCTTTTAAATTTATGTTTACGATTTATGTGCTTCAAGATCAATC	120		
121	TACAAATAATAGTATAGTCAAGAGATCTATCTTCCTCTGTGCCCCCTCAATTAATTC	180		
121	TACAAATAATAGTATAGTCAAGAGATCTATCTTCCTCTGTGCCCCCTCAATTAATTC	180		
181	TCCCTCTTCCCATTTAGTAACCATATAAATTTATTTATTTACTTGCTTTTAAATATGT	240		
181	TCCCTCTTCCCATTTAGTAACCATATAAATTTATTTATTTACTTGCTTTTAAATATGT	240		
241	AACAAAGTACATATAAATTTGCTGCTACTCCCTCTTAGAAGAGTGTAGAAACATATGT	300		
241	AACAAAGTACATATAAATTTGCTGCTACTCCCTCTTAGAAGAGTGTAGAAACATATGT	300		
301	TATATGACTATACAGACATTTGTTAACTGACATGCAATTTTCTGCTACAAATGTTCCA	360		
301	TATATGACTATACAGACATTTGTTAACTGACATGCAATTTTCTGCTACAAATGTTCCA	360		
361	GCAAGTATATATCTTTGATATATACATTTTGGCAATTTTGGCAGATATCATGTGGAGAGA	420		
361	GCAAGTATATATCTTTGATATATACATTTTGGCAATTTTGGCAGATATCATGTGGAGAGA	420		
421	TTCCCAACAGAGAGTGTATGATATAAGATPAAGTCACTTCACTTGGACCCCTTCCTC	480		
421	TTCCCAACAGAGAGTGTATGATATAAGATPAAGTCACTTCACTTGGACCCCTTCCTC	480		
481	CTTGGGCTCTGCTTGATAGTACACGACTTTTTTTTCTGAATGCTCTTACTTCCATCTGTGG	540		
481	CTTGGGCTCTGCTTGATAGTACACGACTTTTTTTTCTGAATGCTCTTACTTCCATCTGTGG	540		
541	GCAAGTGGCCCTCTTATCTAGAAACATTTCAAGCAATTCCTATTTCTTTAGCAACT	600		
541	GCAAGTGGCCCTCTTATCTAGAAACATTTCAAGCAATTCCTATTTCTTTAGCAACT	600		
601	CATCTCTGCTATTTTATGCTCTCAAGATTAACATGTCCTTCTCTCAAGAGGCTTACTGTAC	660		
601	CATCTCTGCTATTTTATGCTCTCAAGATTAACATGTCCTTCTCTCAAGAGGCTTACTGTAC	660		

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721 CCTATACATTTAGAGACTTTCTGTTTGTTCACCATTTGATTCACTTGCACAGTGCCCT 780

781 GGATCATATGTTTGTCGTCATTAATATTTTGGATTTAATATCTGTTATATGTCACCTT 840
841 ACAGTTTATATCCCATCGATCGAATCAATCAAAATTAATTCATCATGATACATGATCCCCATC 900
841 ACACTTTATATCCCATCGAATCAATCAAAATTAATTCATCATGATACATGATCCCCATC 900
901 GCTAAGACACAGATTCATGTGTGGCATTTGATTTGATTCAGCCAGCTCATTCGAACCTT 960
901 GCTAAGACACAGATTCATGTGTGTGGCATTTGATTTGATTCAGCCAGCTCATTCGAACCTT 960

961 CTCTCTCAGATGATAGTAAAGATCAAAAGATTGAGAGGAGTTGATAACCGTGTGT 1020
961 CTCTCTCAGATGATAGTAAAGATCAAAAGATTGAGAGGAGTTGATAACCGTGTGT 1020

Qy	1021	GGTACATGTGGCTTTGCTCACTCACTATGTGAGATGATGATTTGATTAACAAAGGTGACCT	1083
Dp	1021	GGTACATGTGGCTTTGCTCACTCACTATGTGAGATGATGATTTGATTAACAAAGGTGACCT	1083
Qy	1081	TATGAAATATGAGAGATGTAGCTGTGAGCTCAAGCTGAGGAACTCCAAAGAAACT	1140
Dp	1081	TATGAAATATGAGAGATGTAGAGCTGTGAGGCTCAAGCTGAGGAAAGTCCAAAGAAACT	1140
Qy	1141	TGGATTTGCTCTTCTGACACTCTCGAGTGTAGCAATTAATTCTCTGAGTGGAGCTGGA	1200
Dp	1141	TGGATTTGCTCTTCTGACACTCTCGAGTGTAGCAATTAATTCTCTGAGTGGAGCTGGA	1200
Qy	1201	CCCTGTAAGGATGTTCTTAATTTCTTCTGCTCTGAGACGAATGCTATGGGCTGCGATGA	1260
Dp	1201	CCCTGTAAGGATGTTCTTAATTTCTTCTGCTCTGAGACGAATGCTATGGGCTGCGATGA	1260
Qy	1261	CTTCTTAGAGATTTGCTTTTGAGCAAAATAGTAGATGGTTGTGTGTGTGGAAGCTTG	1320
Dp	1261	CTTCTTAGAGATTTGCTTTTGAGCAAAATAGTAGATGGTTGTGTGTGTGGAAGCTTG	1320
Qy	1321	GAAAGGATCAGGTAATTGGCTAATTTCTTCTGCTGTGATCTATTAATATCCTGAGACTCT	1380
Dp	1321	GAAAGGATCAGGTAATTGGCTAATTTCTTCTGCTGTGATCTATTAATATCCTGAGACTCT	1380
Qy	1381	GTCCTTTGTGGAGTGTGCGCCTGTGATTAATCTGCTTTTAACCACTCCCTGAGATGC	1440
Dp	1381	GTCCTTTGTGGAGTGTGCGCCTGTGATTAATCTGCTTTTAACCACTCCCTGAGATGC	1440
Qy	1441	AATTTTCCCTCCCTGCAATTCCTCTTTTCTGAGATTCATATTAAGAACTGCAACTAT	1500
Dp	1441	AATTTTCCCTCCCTGCAATTCCTCTTTTCTGAGATTCATATTAAGAACTGCAACTAT	1500
Qy	1501	GTTTTTCCCTTTTGTCTGAGATGAAAGTTTAAATTAATCCACTCTGTCAATTTCCAC	1560
Dp	1501	GTTTTTCCCTTTTGTCTGAGATGAAAGTTTAAATTAATCCACTCTGTCAATTTCCAC	1560
Qy	1561	TCTCTGAAATCCCAAGCTGATCCCGGCTCTTTTCTGAGCTATGTTTCTTAACTTG	1620
Dp	1561	TCTCTGAAATCCCAAGCTGATCCCGGCTCTTTTCTGAGCTATGTTTCTTAACTTG	1620
Qy	1621	GGACCTGAAATCGATTGGATTGGATTGCTCTGATCAATAGACACTTGATTAATTTG	1680
Dp	1621	GGACCTGAAATCGATTGGATTGGATTGCTCTGATCAATAGACACTTGATTAATTTG	1680
Qy	1681	CCCTTCTCTTAGAGACTTACACTCTCTGTCTTTCTTGACATCTGCTTTTGTCTTCTCT	1740
Dp	1681	CCCTTCTCTTAGAGACTTACACTCTCTGTCTTTCTTGACATCTGCTTTTGTCTTCTCT	1740
Qy	1741	TCATCTTAGTCCCTCTTCATGACAGATAGCTCATTTGCTAGGTAGAGTAATGCTTTATG	1800
Dp	1741	TCATCTTAGTCCCTCTTCATGACAGATAGCTCATTTGCTAGGTAGAGTAATGCTTTATG	1800
Qy	1801	TAAATGGCCACCGCATTTAGTATTAATTAATTAATTTCTTTTAACTCTGTGCAATGACT	1860
Dp	1801	TAAATGGCCACCGCATTTAGTATTAATTAATTAATTTCTTTTAACTCTGTGCAATGACT	1860
Qy	1861	GCTGCTGTTCCTCATTTAGATTGACAGAGTTCAGTTTAGTATCTCAATCTTAT	1920
Dp	1861	GCTGCTGTTCCTCATTTAGATTGACAGAGTTCAGTTTAGTATCTCAATCTTAT	1920
Qy	1921	TTTAGAGCTTGGGAATCAATTCAGAAATATACATCTCTCCAAATCTCTCTTAACTGAA	1980
Dp	1921	TTTAGAGCTTGGGAATCAATTCAGAAATATACATCTCTCTCCAAATCTCTCTTAACTGAA	1980
Qy	1981	TTGCTGGGAAATCTCATGTATCTAATCTTGTGCTTAACTCTGCACTTGTGTTTCC	2040
Dp	1981	TTGCTGGGAAATCTCATGTATCTAATCTTGTGCTTAACTCTGCACTTGTGTTTCC	2040
Qy	2041	CATCCCTTCTTCCCATGATGATGAGTGTGCTCTCTTAATTAATGAGCTGGTTGAGATTTCA	2100
Dp	2041	CATCCCTTCTTCCCATGATGATGAGTGTGCTCTCTTAATTAATGAGCTGGTTGAGATTTCA	2100
Qy	2101	GTGATCAATATTCCTCTTCCCTGTGTTGCTTTCCTGAGATATATCACTAAGAAATAT	2160

Db	2101	GTGGTGCAGAAATATCCTCTCTCCCTCGGTGCTTCCTCGAGTAATATCCACTAGAAATATT	2160
Qy	2161	TTGTGTTTCTTTTCTCAGGGAAATCTAAGGAGAAATTATCACTGTGCAAGGAAAA	2220
Db	2161	TTGTGTTTCTTTTCTCAGGGAAATTAAGGAGAAATTATCACTGTGCAAGGAAAA	2220
Qy	2221	AATAGATATGTGAAAGTTCCGTAAATTTCTCAGATCAGAGAGATTAATAATTCAAA	2280
Db	2221	AATAGATATGTGAAAGTTCCGTAAATTTCTCAGATCAGAGAGATTAATAATTCAAA	2280
Qy	2281	AGGAGAAAAACACAGACCAAGAGAGATATCTAAAGACCAAGGATGTGTTTAATATGT	2340
Db	2281	AGGAGAAAAACACAGACCAAGAGAGATATCTAAAGACCAAGGATGTGTTTAATATGT	2340
Qy	2341	CTAGAGTGAAGAAATGCATAGAAATCTGTAGTCTGTAAATTAATCTAGAAATTAACATAT	2400
Db	2341	CTAGAGTGAAGAAATGCATAGAAATCTGTAGTCTGTAAATTAATCTAGAAATTAACATAT	2400
Qy	2401	TTTAGTCATPATTTGTGAAAAATATATATATATTTTTCTTGGATTATATGTTCTGTATCTGGA	2460
Db	2401	TTTAGTCATPATTTGTGAAAAATATATATATATTTTTCTTGGATTATATGTTCTGTATCTGGA	2460
Qy	2461	AAAAATAAATTTCTTATPAAAACTC	2484
Db	2461	AAAAATAAATTTCTTATPAAAACTC	2484

~~RESULT 2
 US-10-051-835-18
 : Sequence 18, Application US/10051835
 : GENERAL INFORMATION:
 :
 : APPLICANT: Jones, David A.
 :
 : TITLE OR INVENTION: GENES REGULATED BY DNA
 : FILE REFERENCE: FA-004 US
 : CURRENT APPLICATION NUMBER: US/10/051,935
 : CURRENT FILING DATE: 2002-01-16
 : NUMBER OF SEQ ID NOS: 25
 : SOFTWARE: BLAST Program
 : SEQ ID NO 18
 : LENGTH: 2484
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : NAME/KEY: misc feature
 : OTHER INFORMATION: Intron ID No: 231486.18
 : US-10-051-835-18~~

Query Match	100.0%	Score 2484;	DB 44;	Length 2484;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 2484; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

[illegible]

OY	2101	TGCATGAAGTAAGTGTGTTGGTTTCATCTATAGAAACTCTGATGATGATGCTTTG	21
Dp	2101	TGCATGAAGTAAGTGTGTTGGTTTCATCTATAGAAACTCTGATGATGATGCTTTG	216
OY	2161	TATGCAATAAATTGGTGCAATATGATGTCATTCACCTTGATGATTAATTTGG	222
Dp	2161	TATGCAATAAATTGGTGCAATATGATGTCATTCACCTTGATGATTAATTTGG	222
OY	2261	TTGTATTAATNGZATTAACCGTCACGCTCCAGTTGGCTTCAACAATTTATACCAT	228
Dp	2261	TTGTATTAATNGZATTAACCGTCACGCTCCAGTTGGCTTCAACAATTTATACCAT	228
OY	2281	TTGTATTAATNGZATTAACCGTCACGCTCCAGTTGGCTTCAACAATTTATACCAT	228
Dp	2281	TTGTATTAATNGZATTAACCGTCACGCTCCAGTTGGCTTCAACAATTTATACCAT	228
OY	2341	TTACAT 2346	
Dp	2341	TTACAT 2346	

RESULT 2
US-10-084-817-197
; Sequence 197, Application US/100848:17
; GENERAL INFORMATION:
APPLICANT: Susan Stuard
APPLICANT: Jason M. Shohet
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
FILE REFERENCE: PA-0046 US
CURRENT APPLICATION NUMBER: US/10/084, 817
CURRENT FILING DATE: 2002-02-25
PRIORITY APPLICATION NUMBER: 60/270, 784
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 365
SOFTWARE: PERL Program
SEQ ID NO 197
LENGTH: 2346
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: 200578.1
US-10-084-817-197

Query Match 100.0%; Score 2346; DB 44; Length 2346;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2346; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY	1	GCCAGAGGGAAAAAAGAATATGCAAGATCTCTTTGCAAGTGGTACGTATTTT	60
Dp	1	GCCAGAGGGAAAAAAGAATATGCAAGATCTCTTTGCAAGTGGTACGTATTTT	60
OY	61	GAGAACCTTGTGTGACAGGGATTAATTAAGAGATCTGGGGAAAACGATTAAGGCTT	120
Dp	61	GAGAACCTTGTGTGACAGGGATTAATTAAGAGATCTGGGGAAAACGATTAAGGCTT	120
OY	121	TGCATGTTAAGCTGTATAATTTGTGGGTGTGAGTGTCTGACATTAAATGTATAT	180
Dp	121	TGCATGTTAAGCTGTATAATTTGTGGGTGTGAGTGTCTGACATTAAATGTATAT	180
OY	181	AAATTTAGCATCAATTTTCTACCACTAATCTTAATAGATGATCTTGAAGCAC	240
Dp	181	AAATTTAGCATCAATTTTCTACCACTAATCTTAATAGATGATCTTGAAGCAC	240
OY	241	AGTCAATATCAGCTGGAGGCAATGCAATGTGTGTAACCTGTCTTAGTTGAATGTCT	300
Dp	241	AGTCAATATCAGCTGGAGGCAATGCAATGTGTGTAACCTGTCTTAGTTGAATGTCT	300
OY	301	TATTTCAAAGATTTCTGAATTAATTTTTCCCTAGAAATTTCCCTCATTCGAAAGTAC	360
Dp	301	TATTTCAAAGATTTCTGAATTAATTTTTCCCTAGAAATTTCCCTCATTCGAAAGTAC	360

OY	2101	TGCATGAGAAAGTGTGGTTTGTAACCTATAGAAACTGTGATGATGTCGTTTG	21
Dp	2101	TGCATGAGAAAGTGTGGTTTGTAACCTATAGAAACTGTGATGATGTCGTTTG	216
OY	2161	TATGAATAAATTGGTGTCAATATGATGTCATTCACCTTGATTTGAATGAAATTTGG	222
Dp	2161	TATGAATAAATTGGTGTCAATATGATGTCATTCACCTTGATTTGAATTTGG	222
OY	2261	TGTGTTTATANGZTTTTAACGTGACCGTCTCCAGTTGCTTCAACAATTTATACCAT	228
Dp	2261	TGTGTTTATANGZTTTTAACGTGACCGTCTCCAGTTGCTTCAACAATTTATACCAT	228
OY	2281	TTTGATCATAATTTTACTGAAAATATTTTAAATGAAATTTAATATATGAAATTTGATAGT	234
Dp	2281	TTTGATCATAATTTTACTGAAAATATTTTAAATGAAATTTAATATATGAAATTTGATAGT	234
OY	2341	TTACAT 2346	
Dp	2341	TTACAT 2346	

RESULT 2
US-10-084-817-197
; Sequence 197, Application US/100848:17
; GENERAL INFORMATION:
APPLICANT: Susan Stuart
APPLICANT: Jed G. Nuchtern
APPLICANT: Sharon E. Plon
APPLICANT: Jason M. Shohet
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
FILE REFERENCE: PA-0046 US
CURRENT APPLICATION NUMBER: US/10/084, 817
CURRENT FILING DATE: 2002-02-25
PRIORITY APPLICATION NUMBER: 60/270, 784
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 365
SOFTWARE: PERL Program
SEQ ID NO 197
LENGTH: 2346
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: 200578.1
US-10-084-817-197

Query Match 100.0%; Score 2346; DB 44; Length 2346;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2346; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY	1	GCCAGAGGGAAAAAAGAATATGACAGGATCTCTTTGACAGTGTGACGTGATTTT	60
Dp	1	GCCAGAGGGAAAAAAGAATATGACAGGATCTCTTTGACAGTGTGACGTGATTTT	60
OY	61	GAGTACCTGTGTGACAGGGATTTATTA CAGATCTGTGGGAAAAACGATTAGGCTT	120
Dp	61	GAGTACCTGTGTGACAGGGATTTATTA CAGATCTGTGGGAAAAACGATTTAGGCTT	120
OY	121	TGCATGTTAAGCTGTATAATTTGTGGGTGTGAGTGTCTGACATTAAATGTGATAT	180
Dp	121	TGCATGTTAAGCTGTATAATTTGTGGGTGTGAGTGTCTGACATTAAATGTGATAT	180
OY	181	AAATTTAGACATCAATTTTCTACCACTAATTATTAAGATGATCTTGGAGCAC	240
Dp	181	AAATTTAGACATCAATTTTCTACCACTAATTATTAAGATGATCTTGGAGCAC	240
OY	241	AGTCAATATCACTGTGAGGCAATGCAATGTGTGTAACCTGTCTTAGTTGAATGTCT	300
Dp	241	AGTCAATATCACTGTGAGGCAATGCAATGTGTGTAACCTGTCTTAGTTGAATGTCT	300
OY	301	TATTTCAAAGATTTCTGAAATTAATTTTCCCTAGAAATTTCCCTCATTCGAAAGTAC	360
Dp	301	TATTTCAAAGATTTCTGAAATTAATTTTCCCTAGAAATTTCCCTCATTCGAAAGTAC	360

QY 361 AACATCTTGAAGATGAAAGATGTTGTTCCCATGAAATGATGCTACTGACTAGA 420
DB 361 AACATCTTGAAGATGAAAGATGTTGTTCCCATGAAATGATGCTACTGACTAGA 420
QY 421 AACGATCTATGTAATGATGCTGTAATGATGTAATTTTCAAGTACTACCCCAATTA 480
DB 421 AACGATCTATGTAATGATGCTGTAATGATGTAATTTTCAAGTACTACCCCAATTA 480
QY 481 TCTATGCTGTAAGAAAGAAAGAAAGATGTAATCACTATGATATTTGCAAAACACC 540
DB 481 TCTATGCTGTAAGAAAGAAAGAAAGATGTAATCACTATGATATTTGCAAAACACC 540
QY 541 AGAATCTGCAACATTTTAAGTAATCTGATCTCTCTGGAAGAAATTTGTAATCTAT 600
DB 541 AGAATCTGCAACATTTTAAGTAATCTGATCTCTCTGGAAGAAATTTGTAATCTAT 600
QY 601 AGTTTCTCTTAAGATGTAATCACTATGATGTAATCACTATGATGTAATTTCTTAC 660
DB 601 AGTTTCTCTTAAGATGTAATCACTATGATGTAATCACTATGATGTAATTTCTTAC 660
QY 661 TTAAGTCTTAAGAACTGGGTTCTCTCTGATGTAATGATGTAATGTAATGTAATG 720
DB 661 TTAAGTCTTAAGAACTGGGTTCTCTCTGATGTAATGATGTAATGTAATGTAATG 720
QY 721 CTATCTCTTTTGAAGCAATCTGATGTAATGTAATGTAATGTAATGTAATGTAATG 780
DB 721 CTATCTCTTTTGAAGCAATCTGATGTAATGTAATGTAATGTAATGTAATGTAATG 780
QY 781 AAATATATTTTGTATTTTGAATGAAAGATGTAATGTAATGTAATGTAATGTAATG 840
DB 781 AAATATATTTTGTATTTTGAATGAAAGATGTAATGTAATGTAATGTAATGTAATG 840
QY 841 AGATATCTTTTGAAGCAATCTGATGTAATGTAATGTAATGTAATGTAATGTAATG 900
DB 841 AGATATCTTTTGAAGCAATCTGATGTAATGTAATGTAATGTAATGTAATGTAATG 900
QY 901 TGTATGAGGCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 960
DB 901 TGTATGAGGCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 960
QY 961 GGTGAACAAAGTATGTTTGTATTTTGAATGAAAGATGTAATGTAATGTAATGTAATG 1020
DB 961 GGTGAACAAAGTATGTTTGTATTTTGAATGAAAGATGTAATGTAATGTAATGTAATG 1020
QY 1021 TATGCAATGTCAGAAAGAAAGCAAGCAATGAGCTCTGATGTAATGTAATGTAATG 1080
DB 1021 TATGCAATGTCAGAAAGAAAGCAAGCAATGAGCTCTGATGTAATGTAATGTAATG 1080
QY 1081 TATGAGGCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1140
DB 1081 TATGAGGCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1140
QY 1141 GAATGATTAACATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1200
DB 1141 GAATGATTAACATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1200
QY 1201 TCAATCTAGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1260
DB 1201 TCAATCTAGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1260
QY 1261 AAATATGTTTGAAGAAAGAAAGAAAGATGTAATGTAATGTAATGTAATGTAATG 1320
DB 1261 AAATATGTTTGAAGAAAGAAAGAAAGATGTAATGTAATGTAATGTAATGTAATG 1320
QY 1321 GTTGCAAGGAGTGAAGAAAGAAAGAAAGATGTAATGTAATGTAATGTAATGTAATG 1380
DB 1321 GTTGCAAGGAGTGAAGAAAGAAAGAAAGATGTAATGTAATGTAATGTAATGTAATG 1380
QY 1381 GTATCTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1440
DB 1381 GTATCTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1440

QY 1441 CAACAGTGGATCCATTTAGCCCAAGTGGGAAAGCTTGGAACTGAGGTACCTTGAAG 1500
DB 1441 CAACAGTGGATCCATTTAGCCCAAGTGGGAAAGCTTGGAACTGAGGTACCTTGAAG 1500
QY 1501 GATATGCTGGAGCATCTCTTGAATCTGCTGTAATGTAATGTAATGTAATGTAATG 1560
DB 1501 GATATGCTGGAGCATCTCTTGAATCTGCTGTAATGTAATGTAATGTAATGTAATG 1560
QY 1561 TCCCTAATCTGATCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1620
DB 1561 TCCCTAATCTGATCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1620
QY 1621 GGCATGAGGAGTGGTCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1680
DB 1621 GGCATGAGGAGTGGTCTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1680
QY 1681 GAGTATCTCAATATCTTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1740
DB 1681 GAGTATCTCAATATCTTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1740
QY 1741 GCACTGATCAAGAACTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1800
DB 1741 GCACTGATCAAGAACTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1800
QY 1801 ATGCTTCAATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1860
DB 1801 ATGCTTCAATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1860
QY 1861 TCCATATCAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1920
DB 1861 TCCATATCAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1920
QY 1921 TCACTGATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1980
DB 1921 TCACTGATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1980
QY 1981 ATATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2040
DB 1981 ATATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2040
QY 2041 GTATGCAATCAAGTGGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 2100
DB 2041 GTATGCAATCAAGTGGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 2100
QY 2101 TGGTATGAAAGTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2160
DB 2101 TGGTATGAAAGTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2160
QY 2161 TATGGAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2220
DB 2161 TATGGAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2220
QY 2221 TTTGATTTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2280
DB 2221 TTTGATTTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2280
QY 2281 TTTTGTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2340
DB 2281 TTTTGTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 2340
QY 2341 TTACAT 2346
DB 2341 TTACAT 2346

RESULT 3

US-10-116-802-474

Sequence 474, Application US/10116802

GENERAL INFORMATION

APPLICANT: Amy Lasek

TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER

FILE REFERENCE: PA-0045 US

CURRENT APPLICATION NUMBER: US/10/116, 802

US-09-996-952-7
Sequence 7, Application US/09996952
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Wong, Sophia M.-ling
TITLE OF INVENTION: CDNAS CO-EXPRESSED WITH PLACENTAL STEROID SYNTHESIS GENES
FILE REFERENCE: PB-0016 US
CURRENT FILING DATE: 2001-11-27
CURRENT APPLICATION NUMBER: US/09/996,952
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PERL Program
SEQ ID NO 7
LENGTH: 509
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No: 253708
US-09-996-952-7

Query Match 100.0%; Score 509; DB 42; Length 509;
Best Local Similarity 100.0%; Pred. No. 2e-124;
Matches 509; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAGTTGTGAGGAGTGTGAGGAGGAGTCCGCTCTGCTGTGAGACTTTTCTGTCCACTGAGA 60
1 GAGTTGTGAGGAGTGTGAGGAGGAGTCCGCTCTGCTGTGAGACTTTTCTGTCCACTGAGA 60